

PC-0028 US

<110> Lasek, Amy W.
Krasnow, Randi E.
Baughn, Mariah R.

<120> INTESTINAL PROTEINS

<130> PC-0028 CIP

<140> To Be Assigned
<141> Herewith

<160> 32
<170> PERL Program

<210> 1
<211> 475
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3229449CD1

<400> 1
Met Lys Ile Ser Met Ile Asn Tyr Lys Ser Leu Leu Ala Leu Leu
1 5 10 15
Phe Ile Leu Ala Ser Trp Ile Ile Phe Thr Val Phe Gln Asn Ser
20 25 30
Thr Lys Val Trp Ser Ala Leu Asn Leu Ser Ile Ser Leu His Tyr
35 40 45
Trp Asn Asn Ser Thr Lys Ser Leu Phe Pro Lys Thr Pro Leu Ile
50 55 60
Ser Leu Lys Pro Leu Thr Glu Thr Glu Leu Arg Ile Lys Glu Ile
65 70 75
Ile Glu Lys Leu Asp Gln Gln Ile Pro Pro Arg Pro Phe Thr His
80 85 90
Val Asn Thr Thr Ser Ala Thr His Ser Thr Ala Thr Ile Leu
95 100 105
Asn Pro Arg Asp Thr Tyr Cys Arg Gly Asp Gln Leu His Ile Leu
110 115 120
Leu Glu Val Arg Asp His Leu Gly Arg Arg Lys Gln Tyr Gly Gly
125 130 135
Asp Phe Leu Arg Ala Arg Met Ser Ser Pro Ala Leu Met Ala Gly
140 145 150
Ala Ser Gly Lys Val Thr Asp Phe Asn Asn Gly Thr Tyr Leu Val
155 160 165
Ser Phe Thr Leu Phe Trp Glu Gly Gln Val Ser Leu Ser Leu Leu
170 175 180
Leu Ile His Pro Ser Glu Gly Val Ser Ala Leu Trp Ser Ala Arg
185 190 195
Asn Gln Gly Tyr Asp Arg Val Ile Phe Thr Gly Gln Phe Val Asn
200 205 210
Gly Thr Ser Gln Val His Ser Glu Cys Gly Leu Ile Leu Asn Thr
215 220 225
Asn Ala Glu Leu Cys Gln Tyr Leu Asp Asn Arg Asp Gln Glu Gly

PC-0028 US

230	235	240
Phe Tyr Cys Val Arg Pro Gln His Met	Pro Cys Ala Ala Leu	Thr
245	250	255
His Met Tyr Ser Lys Asn Lys Lys Val	Ser Tyr Leu Ser Lys	Gln
260	265	270
Glu Lys Ser Leu Phe Glu Arg Ser Asn	Val Gly Val Glu Ile	Met
275	280	285
Glu Lys Phe Asn Thr Ile Ser Val Ser	Lys Cys Asn Thr Leu	Lys
290	295	300
Ser Val Asp Leu His Glu Ser Gly Lys	Leu Gln His Gln Leu	Ala
305	310	315
Val Asp Leu Asp Arg Asn Ile Asn Ile	Gln Trp Gln Lys Tyr	Cys
320	325	330
Tyr Pro Leu Ile Gly Ser Met Thr Tyr	Ser Val Lys Glu Met	Glu
335	340	345
Tyr Leu Thr Arg Ala Ile Asp Arg Thr	Gly Gly Glu Lys Asn	Thr
350	355	360
Val Ile Val Ile Ser Leu Gly Gln His	Phe Arg Pro Phe Pro	Ile
365	370	375
Asp Val Phe Ile Arg Arg Ala Leu Asn	Val His Lys Ala Ile	Gln
380	385	390
His Leu Leu Leu Arg Ser Pro Asp Thr	Met Val Ile Ile Lys	Thr
395	400	405
Glu Asn Ile Arg Glu Met Tyr Asn Asp	Ala Glu Arg Phe Ser	Asp
410	415	420
Phe His Gly Tyr Ile Gln Tyr Leu Ile	Ile Lys Asp Ile Phe	Gln
425	430	435
Asp Leu Ser Val Ser Ile Ile Asp Ala	Trp Asp Ile Thr Ile	Ala
440	445	450
Tyr Gly Thr Asn Asn Val His Pro Pro	Gln His Val Val Gly	Asn
455	460	465
Gln Ile Asn Ile Leu Leu Asn Tyr Ile	Cys	
470	475	

<210> 2
<211> 547
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7484349CD1

<400> 2

Met Ser Ser Asn Thr Met Leu Gln Lys Thr	Leu Leu Ile Leu Ile	
1 5 10 15		
Ser Phe Ser Val Val Thr Trp Met Ile Phe	Ile Ile Ser Gln Asn	
20 25 30		
Phe Thr Lys Leu Trp Ser Ala Leu Asn Leu	Ser Ile Ser Val His	
35 40 45		
Tyr Trp Asn Asn Ser Ala Lys Ser Leu Phe	Pro Lys Thr Ser Leu	
50 55 60		
Ile Pro Leu Lys Pro Leu Thr Glu Leu Arg	Ile Lys Glu	
65 70 75		
Ile Ile Glu Lys Leu Asp Gln Gln Ile Pro	Pro Pro Arg Pro Phe	Thr
80 85 90		

PC-0028 US

His Val Asn Thr Thr Ser Ala Thr His Ser Thr Ala Thr Ile
95 100 105
Leu Asn Pro Arg Asp Thr Tyr Cys Arg Gly Asp Gln Leu Asp Ile
110 115 120
Leu Leu Glu Val Arg Asp His Leu Gly Gln Arg Lys Gln Tyr Gly
125 130 135
Gly Asp Phe Leu Arg Ala Arg Met Ser Ser Pro Ala Leu Thr Ala
140 145 150
Gly Ala Ser Gly Lys Val Met Asp Phe Asn Asn Gly Thr Tyr Leu
155 160 165
Val Ser Phe Thr Leu Phe Trp Glu Gly Gln Val Ser Leu Ser Leu
170 175 180
Leu Leu Ile His Pro Ser Glu Gly Ala Ser Ala Leu Trp Arg Ala
185 190 195
Arg Asn Gln Gly Tyr Asp Lys Ile Ile Phe Lys Gly Lys Phe Val
200 205 210
Asn Gly Thr Ser His Val Phe Thr Glu Cys Gly Leu Thr Leu Asn
215 220 225
Ser Asn Ala Glu Leu Cys Glu Tyr Leu Asp Asp Arg Asp Gln Glu
230 235 240
Ala Phe Tyr Cys Met Lys Pro Gln His Met Pro Cys Glu Ala Leu
245 250 255
Thr Tyr Met Thr Thr Arg Asn Arg Glu Val Ser Tyr Leu Thr Asp
260 265 270
Lys Glu Asn Ser Leu Phe His Arg Ser Lys Val Gly Val Glu Met
275 280 285
Met Lys Asp Arg Lys His Ile Asp Val Thr Asn Cys Asn Lys Arg
290 295 300
Glu Lys Ile Glu Glu Thr Cys Gln Val Gly Met Lys Pro Pro Val
305 310 315
Pro Gly Gly Tyr Thr Leu Gln Gly Lys Trp Ile Thr Thr Phe Cys
320 325 330
Asn Gln Val Gln Leu Asp Thr Ile Lys Ile Asn Gly Cys Leu Lys
335 340 345
Gly Lys Leu Ile Tyr Leu Leu Gly Asp Ser Thr Leu Arg Gln Trp
350 355 360
Ile Tyr Tyr Phe Pro Lys Val Val Lys Thr Leu Lys Phe Phe Asp
365 370 375
Leu His Glu Thr Gly Ile Phe Lys Lys His Leu Leu Leu Asp Ala
380 385 390
Glu Arg His Thr Gln Ile Gln Trp Lys Lys His Ser Tyr Pro Phe
395 400 405
Val Thr Phe Gln Leu Tyr Ser Leu Ile Asp His Asp Tyr Ile Pro
410 415 420
Arg Glu Ile Asp Arg Leu Ser Gly Asp Lys Asn Thr Ala Ile Val
425 430 435
Ile Thr Phe Gly Gln His Phe Arg Pro Phe Pro Ile Asp Ile Phe
440 445 450
Ile Arg Arg Ala Ile Gly Val Gln Lys Ala Ile Glu Arg Leu Phe
455 460 465
Leu Arg Ser Pro Ala Thr Lys Val Ile Ile Lys Thr Glu Asn Ile
470 475 480
Arg Glu Met His Ile Glu Thr Glu Arg Phe Gly Asp Phe His Gly
485 490 495
Tyr Ile His Tyr Leu Ile Met Lys Asp Ile Phe Lys Asp Leu Asn
500 505 510

PC-0028 US

Val Gly Ile Ile Asp Ala Trp Asp Met Thr Ile Ala Tyr Gly Thr
515 520 525
Asp Thr Ile His Pro Pro Asp His Val Ile Gly Asn Gln Ile Asn
530 535 540
Met Phe Leu Asn Tyr Ile Cys
545

<210> 3
<211> 1616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3229449CB1

<400> 3
atccatgcta aaggtaaaca aactgcaact tatactgca atttattttg gtatagacaa 60
gaggtatgcc agtagcacac tggggcttc agaagaaatt ctcaacacct agctcgccag 120
agagtctatg tatgggattt aacaatctgt aaactaaagg atcctaataca tgaaaataag 180
tatgataaat tataagtac tattggcact gttgttata ttagcctcct ggatcattt 240
tacagtttc cagaactcca caaaggttt gtctgctcta aacttatcca tctccctcca 300
ttactggaac aactccacaa agtccttatt ccctaaaaca ccactgatat cattaaagcc 360
actaacagag actgaactca gaataaagga aatcatagag aaactagatc agcagatccc 420
accagaccc ttccccacg tgaacaccac caccagcgcc acacatagca cagccaccat 480
cctcaaccct cgagatacgt actgcagggg agaccagctg cacatcctgc tggaggtgag 540
ggaccacttgg acgcgcagga agcaatatgg cggggatttc ctgagggcca ggatgtcttc 600
cccagcgctg atggcaggtt cttcaggaaa ggtgactgac ttcaacaacg gcacctaccc 660
ggtcagcttc actctgttct gggagggcca ggtctctctg tctctgctgc tcattccaccc 720
cagtgaaggg gtgtcagctc tctggagtgc aaggaaccaa ggctatgaca gggtgatctt 780
cactggccag tttgtcaatg gcacttccc agtccactct gaatgtggcc tgatcctaaa 840
cacaatgct gaattgtgcc agtacctgga caacagagac caagaaggct tctactgtgt 900
gaggcctcaa cacatgccct gtgctgcact cactcacatg tattctaaga acaagaaagt 960
ttcttatctt agcaaacaag aaaagagcct cttgaaagg tcaaatgtgg gtgttagagat 1020
tatggaaaaaa ttcaatacaa ttagtgtctc caaatgcaac acaactgaagt cagtggatct 1080
gcatgaatct ggaaaattgc aacaccagct tgctgtggat ttggatagga acatcaacat 1140
ccagtggcaa aaatattgtt atcccttgat aggatcaatg acctattcag tcaaagagat 1200
ggagtacctc accgggcca ttgacagaac tggaggagaa aaaaatactg tcattgttat 1260
ttccctggc cagcattca gacccttcc cattgatgtt tttatccgaa gggccctcaa 1320
tgtccacaaa gccattcagc atcttcttct gagaagccca gacactatgg ttatcatcaa 1380
aacagaaaaac atcagggaga tgtacaatga tgcagaaaga ttttagtact ttcatggta 1440
cattcaatat ctcatcataa aggacattt ccaggatctc agtgtgagta tcattgatgc 1500
ctggatata acaattgcat atggcacaaa taatgtacac ccacctcaac atgtagtcgg 1560
aaatcagatt aatatattat taaaactat tttttaaata aaaaaaaaaa aaaaaaa 1616

<210> 4
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2771041H1

<400> 4
atccatgcta aaggtaaaca aactgcaact tatactgca atttattttg gtatagacaa 60

PC-0028 US

gaggtatgcc agtagcacac tggggcttc agaagaaatt ctcaacacct agctcgccag 120
agagtctatg tatgggattt aacaatctgt aaactaaagg atcctaatacg tgaaaataag 180
tatgataaat tataagtca tattggcact gttgtttata ttgcctcct ggatcatttt 240

<210> 5
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 71851705V1

<400> 5
gccacattca gaagtggact tggaaagtgc cattgacaaa ctggccagtg aagatcaccc 60
tgtcatagcc ttgttcctt gcactccaga gagctgacac cccttcactg ggggtggatga 120
gcagcagaga cagagagacc tggccctccc agaacagagt gaagctgacc aggttaggtgc 180
cgttggtaaa gtcagtcacc tttcctgaag cacctgccc cagcgctggg gaagacatcc 240
tggccctcag gaaatccccg ccatattgct tcctgcgtcc caagtggtcc ctcaccccca 300
gcaggatgtg cagctggtct cccctgcagt acgtatctcg agggttgagg atgggtggctg 360
tgctatgtgt ggcgctggtg gtgggtttca cgtgggtgaa aggtctgggt ggggtctgct 420
gatctagttt ctctatgatt tccttattt ctagttcagt ctctgttagt ggcttaatg 480
atatcagtgg tgggttttaggg aataaggact ttgtggagtt gttccagtaa tggagggaga 540
tggataagtt tagagcagac caaacctttg tggagttctg gaaaactgta aaaatgatcc 600
aggaggctaa tataaacaac a 621

<210> 6
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 70255975V1

<400> 6
gccacattca gagtggactt gggaaagtgcc attgacaaaac tggccagtga agatcaccct 60
gtcatagcc ttgttccttg cactccagag agctgacacc ccttcactgg ggtggatgag 120
cagcagagac agagagaccc ggcctccca gaacagagt aagctgacca ggttaggtgcc 180
gttggtaag tcagtcaccc ttctgaagc acctgccc acgcgtgggg aagacatcc 240
ggccctcagg aaatccccgc catattgctt cctgcgtccc aagtggtccc tcacccca 300
caggatgtgc agctggtctc ccctgcagta cgtatctcg agggttgagga tgggtggctgt 360
gctatgtgtg ggcgctggtg tgggtttcac gtgggtgatc ggtctgggtg ggatctgctg 420
atctagttt tctatgatt ccttattt ctagttcagt tctgttagt gctttaatg 480
tatcagtgg tgggttttaggg aataaggactt tctggacgtc gttcagtaat ggagggagat 540
ggata 545

<210> 7
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5596934H1

PC-0028 US

<220>
<221> unsure
<222> 228
<223> a, t, c, g, or other

<400> 7
ggaaccaagg ctattgacag ggtgatctc actggccagt ttgtcaatgg cacttccaa 60
gtccactctg aatgtggcct gatcctaaac acaaatgctg aattgtgcac gtacctggac 120
aacagagacc aagaaggctt ctactgttg aggccctcaac acatgccctg tgctgcactc 180
actcacatgt attctaagaa caagaaagtt tcttatctta gcaaacanga aaagag 236

<210> 8
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 3229449F6

<220>
<221> unsure
<222> 47, 105, 248
<223> a, t, c, g, or other

<400> 8
caagtttggaa atgacatcca caatccccag tggcatgtc tggaganaca catggaatcc 60
tgtctcctgt agtttggcta cagtaaaaat gaaggaatgc ctganaggaa aactcatata 120
cctaatggaa gattccacga tccgccagtg gatggaatac ttcaaagccca gtatcaacac 180
actgaagtca gtggatctgc atgaatctgg aaaattgcaa caccagcttg ctgtggattt 240
ggataggnac atcaacatcc agtggcaaaa acattgttat cccttgatag gatcaatgac 300
ctattcagtc aaagagatgg agtacctcac ccggggccat tgacagaact ggagggagaa 360
aaaaatactg tcattgttat ttccctgggg ccagcatttc agaccctttt ccca 414

<210> 9
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7128544H1

<400> 9
ggtgaggtac tccatctctt tgacagaact ggaggagaaa aaaatactgt cattgttatt 60
tccctggccc agcatttcag accctttccc attgatgttt ttatccgaag ggccctcaat 120
gtccacaaaag ccattcagca tcttcttctg agaagcccaag acactatgtt tatcatcaaa 180
acagaaaaca tcagggagat gtacaatgat gcagaaaagat ttagtgactt tcatggttac 240
attcaataatc tcatcataaa ggacatttc caggtctca gtgtgagttt cattgtatgcc 300
tggatataa caattgcata tggcacaaat aatgtacacc cacctcaaca tgttagtcgga 360
aatcagatta atatattttt aaactatattt tttt 394

<210> 10
<211> 2248
<212> DNA
<213> Homo sapiens

PC-0028 US

<220>
<221> misc_feature
<223> Incyte ID No: 7484349CB1

<400> 10

gccagttaag aactcacagg tactttcca gccacccaga taggagagat cattaaaaca 60
gtgcattctg tgctacctga cacctattgg ggtcctggaa ggaggaagca acaatcctga 120
gtgaaacctc gacaagaagt atccaatagg acattcgta tgcctcaaa tacaatgctt 180
caaaaaacgc tgctgatctt gatctcttt tcagtagtaa cctggatgt tttataatt 240
tctcagaact tcacaaagct ttggcttgct ctaaacttat ccattctgt ccattactgg 300
aacaactccg caaagtccctt attccctaaa acatcactga taccattaaa gccactaaca 360
gagactgaac tcagaataaa ggaaatcata gagaaactag atcagcagat cccacccaga 420
ccttcaccc atgtgaacac caccaccagt gccacacaca gcacagccac catcctcaac 480
cctcgagata catactgcag gggagaccag ctggacatcc tactggaggt gagggaccac 540
ttggacaga ggaagcaata tggtgggat ttcctgaggg ccaggatgtc ctccccagca 600
ctgacggcag gtgcttcagg aaaggtgatg gacttcaaca atggcaccta cctggtcagc 660
ttcactctgt tctggaggg ccaggtctcc ctgtctctgc tgctcatcca ccccagtgaa 720
gggcgtcgg ctctctggag ggcaaggaac caaggctatg ataaaattat tttcaaaggc 780
aaatttgtt aatggcaccc tcatgtcttc actgaatgtg gcctgaccct aaactcaa 840
gctgaactct gtgaatatct ggatgacaga gaccaagaag cttctattt tatgaagcct 900
caacacatgc cctgtgaggc tctgacctac atgaccaccc ggaatagaga ggtatctt 960
cttacagaca aggaaaacag cttttccac agtccaaag tggagttga aatgatgaag 1020
gatcgtaaac acattgatgt cactaattgt aacaagagag aaaaaataga agagacatgc 1080
caagttggaa tgaagcctcc tgccttggt gttataactt tacaaggaaa atggataaca 1140
acattttgca accaggttca gttagacaca attaagataa atggctgtt gaaaggcaaa 1200
ctcatttacc tcctggaga ctctacacta cgtcagtggc tctactactt ccccaaagt 1260
gtaaaaacac tgaagtttt tgatttcat gaaactggaa tcttaagaa acattgctt 1320
ctggatgcag aaagacacac tcagattcaa tgaaaaaac atagctatcc cttcgtcact 1380
ttccagctt actctctgt agatcatgtat tataccctc gggaaattga ccggctatca 1440
ggtgacaaaa acacagccat cgtcatcacc ttggccagc acttttagacc atttcccatt 1500
gacattttta ttcgcagggc catcggtgtt caaaaggcta ttgaaagact gttcctaaga 1560
agcccagcca ctaaagtgtat tattaagaca gaaaacatca gggagatgca catagagaca 1620
gagaggttg gagacttcca tggttatatt cactatctt tcatgaagga tattttcaaa 1680
gacctaactg tggcatcat tgatgcctgg gacatgacca ttgcataatgg cactgacact 1740
atccacccac ctgatcatgt gattggaaat cagattaaca tttctttaaa ctacatttgc 1800
taaggataa atactataca aaatcactag gaaccaatct ctgcacataa tcccacatgt 1860
attgtaaagt aagtttact catttttagga actaaggaaa ataaattaa aagaatctgt 1920
ttggggagga aggctatgtt aggacaatga caactgataa gggatgcaaa accaagagaa 1980
tcattcatga agaatgacta taccatgcct gttctgtatc ttcgtttaaa atattaaaaa 2040
agtttttaa aagccatgtt attaagctga tttgaaaata tctgtacaaa ttcatgatgc 2100
tttctatttc caatatacat atttccttagc tctgtctatt gaaaaggctt aggagcaatg 2160
ataacccattt agcaataatc actccgagca ccctaactgt gatgtctaag aacccttcct 2220
caataaaaaga aaagaggcat cttgtaaag 2248

<210> 11
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1333949F6

<400> 11
gccagttaag aactcacagg tactttcca gccacccaga taggagagat cattaaaaca 60
qtqcattctq tqctacctqa cacctattgg ggtcctaqaa qqaqqaqca acaatcctqa 120

PC-0028 US

gtgaaaacctc gacaagaagt atccaatagg acattcgta tgcctcaaa tacaatgctt 180
caaaaaacgc tgctgatctt gatctcttt tcagtagtaa cctggatgat tttataatt 240
tctcagaact tcacaaagct ttggctgct cttaaacttat ccattctgtt ccattactgg 300
aacaactccg caaagtccctt attccctaaa acatcactga taccattaaa gccactaaca 360
gagactgaac tcagaataaa ggaaatcata gagaaactag atcagcagat cccacccaga 420
ccttcaccc atgtacacac caccaccgt gccacacaca gcacagccac catcctcaac 480
cctcgagata catactgcag gggagaccag ctggacatcc tactggaggt gagggaccac 540
ttggacaga ggaagcaata tggggat ttctgaggg ccaggatgtc ctccccagca 600
ctgacggcag gtgcctcagg aaaggtgatg gacttcaaca atggcaccta cctggtcagc 660
t 661

<210> 12

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7604658J1

<400> 12

gggtgtcatg taggtcagag cctcacaggg catgtgttga ggcttcatac aatagaaggc 60
ttcttggct ctgtcatcca gatattcaca gagttcagca tttgagttt gggtcaggcc 120
acattcagtg aagacatgag aggtgccatt aacaaatttg cctttgaaaa taattttatc 180
atagccttgg ttccttgccc tccagagagc cgacgcccct tcactggggt ggatgagcag 240
cagagacagg gagacctggc cctcccagaa cagagtgaag ctgaccaggt aggtgccatt 300
gttgaagtcc atcaccttc ctgaaggcacc tgccgtcagt gctggggagg acatcctggc 360
cctcaggaaa tccccaccat attgcttcct ctgtcccaag tggccctca cctccagtag 420
gatgtccagc tggctcccc tgcagtatgt atctcgaggg ttgaggatgg tggctgtgct 480
gtgtgtggca ctgggtgg tggcacatg ggtgaaag 518

<210> 13

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 70106729V1

<400> 13

atagtgaata taaccatgga agtctccaaa cctctctgtc tctatgtca tctccctgat 60
gttttctgtc ttaataatca ctttagtggc tggcttctt aggaacagtc tttcaatagc 120
cttttgaaca ccgatggccc tgcgaataaa aatgtcaatg ggaaatggtc taaagtgcgt 180
gccaaagggtg atgacgatgg ctgtgtttt gtcacctgat agccggtaa tttcccgagg 240
gatataatca tgcgttatca gagagttagag ctggaaagtg acgaaggat agctatgtt 300
tttccattga atctgagtgt gtcttctgc atccagaagc aaatgtttt taaagattcc 360
agtttcatga agatcaaaaa acttcagtgt tttacaact ttggggaaat agtagatcca 420
ctgacgttgtt gtagagtctc ccaggaggtt aatgagttt ct 462

<210> 14

<211> 531

<212> DNA

<213> Homo sapiens

<220>

PC-0028 US

<221> misc_feature
<223> Incyte ID No: 70107804V1

<400> 14
ttttatgc tttaaaaaaa ctttttaat attttaaacg agcatcagaa ccaggcatgg 60
tatagtcatt ctcatgaat gattctcttgc ttgcattc ccttatcgt tgtcattgtc 120
cttacatagc cttccccc aaacagattc tttaaattt atttcctta gttcctaaaa 180
ttagtaaaac ttactttaca atacatgtgg gattatgtgc agagattggc tcctagtat 240
tttgtatagt atttatccct tagcaaatgt agtttaagaa catgttaatc tgatttccaa 300
tcacatgatc aggtgggtgg atagtgtcag tgccatatgc aatggtcattg tcccaggcat 360
caatgatgcc cacgttgagg tcttgaaaa tatccttcat gataagatag tgaatataac 420
catgaaagtc tccaaacctc tctgtctcta tgtgcatttc cctgatgtt tctgtcttaa 480
taatcacttt agtggctggg ctttttagga acagtcttc aatagccttt t 531

<210> 15
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 5865314H1

<220>
<221> unsure
<222> 2, 15, 50
<223> a, t, c, g, or other

<400> 15
gnaaaaccaa gagantcatt catgaagaat gactatacca tgccctggtn tgatgctcg 60
ttaaaatatt aaaaaagttt tttaaaagcc atgttattaa gctgatttga aaatatctgt 120
acaaattcat gatgctttct atttccaata tagatatttc ctagctctgt ctattgaaaa 180
ggccttaggag caatgataac ccattagcaa taatcactcc gagcacccta actgtgatgt 240
ctaagaaccc ttcctcaata aaagaaaaga ggcattc 276

<210> 16
<211> 206
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701244557H1

<400> 16
ccagccctga cggcaggcgc ttctggaaaa gtgacagact tcaacaatgg cgccctaccta 60
gtcagcttca ctctgctctg ggaggccag gtctccctgt ctatcctgct catgcacccc 120
agtgaagggg tgtcagctct ctggagagca aggaaccagg gttacgacag aatcatcttc 180
tcaggccatt ttgtcagtgg cgatcc 206

<210> 17
<211> 291
<212> DNA
<213> Rattus norvegicus

<220>

PC-0028 US

<221> misc_feature
<223> Incyte ID No: 700306567H1

<400> 17
cctggaagat attcttaag gcaagatact gggtaacc gtggaaagtca ctaaacctct 60
ccatgtcggtt attcaactcc ctgtgtttt ctgttttag gaccaccagg gtgtccggc 120
ttctctggag aagacgctga agagctctgt gaacacttag ggcccttcgg ataaaaacat 180
caatggaaa aggtctgaaa tgctggccc gagaagac aatgactgtg ttttctctc 240
ctccgattct gtcaattatc cgtcagtg tcttatctc tttgacagag t 291

<210> 18
<211> 244
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 700141983H1

<400> 18
agcttccttc taatcggtc attgggtac tctgtcaaag agatagagaa cactgcacgg 60
ataattgaca gaatcgagg agagaaaaac acagtcattt tctttctct gggccagcat 120
ttcagacctt ttccatttga tggtttatc cgaaggccc tcagtgttca cagagctctt 180
cagcgtcttc tccagagaag cccggacacc ctgggtgtcc tcaaaacaga aaacaccagg 240
gagt 244

<210> 19
<211> 270
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701725590H1

<400> 19
catggcttcc ctctaattcggt tactctgtca aagagataga gaacactgca 60
cgatataattt acagaatcggtt aggagagaaa aacacagtca ttgtcttttc tctggggccag 120
catttcagac cttttccat tgatgtttt atccgaagg ccctcagttt tcacagagct 180
cttcagcgtc ttctccttag aagccggac accctgggtcc tcctcaaaac agaaaattat 240
aggagttga ataacgacat ggagaggttt 270

<210> 20
<211> 288
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 700363665H1

<400> 20
aacacagtca ttgtcttttc tctggggccag catttcagac cttttccat tgatgtttt 60
atccgaacgg ccctcagttt tcacagagct cttcagcgtc ttctccttag aagccggac 120
accctgggtcc tcctcaaaac agaaaacacc atggagttga ataacgacat ggagaggttt 180
agtgattcca cggttacacc cagttatctt ccttaaagaa tatcttccag gatctccgtt 240

PC-0028 US

tgggtgtcat tcatgcctgg gatatgacag ttgcataatgg cacaacacg 288
<210> 21
<211> 275
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701473585H1

<400> 21
gcagcaccaa ctggccgtgg acttggatga gaaaatcaac atccagtggc agaaacatgg 60
cttccctcta atcggtgtcat tgggtgtactc tgtcaaagag atagagaaca ctgcacggat 120
aattgacaga atcgaggag agaaaaaacac agtcattgtc ttttctctgg gccagcattt 180
cagacctttt cccattgtatg ttttatccg ataggccctc agtgttcaca gagctttca 240
gcgtcttctc cagagaagcc cgacaccctt ggtgg 275

<210> 22
<211> 257
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 700600759H1

<400> 22
gccagggtctc cctgtctatc ctgctcatgc accccagtga aggggtgtca gctctctgga 60
gagcaaggaa ccaaggctat ggtagaattt cttcaaaagg gactttttttt aatggcacat 120
ccaagggtcac agctaatgtt ggcctgatcc tgaactcaag cagttagtgc tgcaaataacc 180
tgtaccgtgg tggcgaggaa gtcttctact gcgtgaagcc tcaacacatg ccctgtgagg 240
ccctgaccta cgtgtgt 257

<210> 23
<211> 276
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701460109H1

<400> 23
tatgggtgtt gtttaagctg cctgcacatc tcaatcaatg ggacttgatc atgaaatcct 60
catgcctaa agtgcctctc aatccatcag tttcaccaac agagacagaa ctgagaatca 120
aggagatcctt agagaaacta aacaaacaga tccctcccag acccttcggc cacctcaaca 180
acaccacaag tgctacacac agcatagcca ccatcctcaa ccctcaagat acataactgt 240
tagggacca gctggacatc ctggtagagg ctagag 276

<210> 24
<211> 250
<212> DNA
<213> Rattus norvegicus

<220>

PC-0028 US

<221> misc_feature
<223> Incyte ID No: 701420417H1

<400> 24
aacaaggaca tttcttatct tagccagcag gaaaggagcc tcttgaaaag gtcaaata 60
gctgtggaga ttatggaaa atccaacgtg attagtgtct ccaaatacgaa caaagccgtc 120
ccggtaaga agaaatgcaa gtttggatg gcatctgcaa tccctactgg gcatgtctgg 180
aaaaaacacgt ggaatccggc ctccgcagt ctggctccaa tcaaaatgaa agactgtctg 240
agaggaaaaac 250

<210> 25
<211> 248
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701634496H1

<400> 25
cggacaccct ggtggtcctc aaaacagaaa acaccaggaa gttgaataac gacatggaga 60
ggttagtga cttccacggt tacacccagt atcttcctt aaagaatac ttccaggatc 120
tccgtgtggg tgtcattgat gcctggata tgacagttgc atatggcaca aacgatgtcc 180
atccaccaga ggaggttagtt agaagtgaaa ttaatatatt cttaaactat atttgctagc 240
aaacacat 248

<210> 26
<211> 329
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701601584H1

<400> 26
ttaaagaata tctccagga tctccgttg ggtgtcatgg atgcctgggaa tatgacagtt 60
gcatatggca caaacgttgtt ccatccacca gaggaggttag tttagaagtga aattaatata 120
ttcttaaact atatttgcta gcaaacacat aactttgaaa gtcgctcggtt gaacttaaaa 180
gagacagtga gtcctacagc cgtgccaagt gccgagatat cccagttat ccaaggacat 240
aatctgtatt atggtccatg tggtccatcc agttcagcct aataaggcat tcctacgc 300
gcctgctgct caaaattgaa tatgaaaag 329

<210> 27
<211> 144
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701940254H1

<400> 27
agcctctttg aaaggtcaaa tatacgcttg gagattatgg gaaaatccaa cgtgatttt 60
gtctccaaat gcaacaggtt ctttggaaaaa gatggaaaggc acttaataaa cacagatgaa 120
ctgggtttt agaagacccc atct 144

PC-0028 US

<210> 28
<211> 262
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701463630H1

<400> 28
gggaaaagg ctgaaatgct ggcggcagaga aaagacaatg actgtgttt tctctcctcc 60
gattctgtca attatccgtg cagtgttctc tatctcttg acagagtaca ccaatgaccc 120
gatttagaggg aagccatgtt tctgccactg gatgttgatt ttctcatcca agtccacggc 180
aagttggtgc tgcagccttc cagtctcggt gaggtccacc ggctcagcg tggatttt 240
gctttgaag tactccatcc ac 262

<210> 29
<211> 277
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<223> Incyte ID No: 701623610H1

<400> 29
ctcacacgga gatcctggaa gatattctt aaggcaagat actgggtgta tccgtggaag 60
tcactgatgc ctgggatatg acagttgcat atggcacaaa cgatgtccat ccaccagagg 120
agtagatgg aagtggaaatt aatatattct taaactataat ttgcttagcaa acacataact 180
ttgaaagtgc ctcgttgaac taaaagaga cagtggatcc tacagccgtg ccaagtgcgg 240
agatatccca gttaatccaa ggacataatc tgttta 277

<210> 30
<211> 1005
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: GNN.g9965027_000007_006

<400> 30
atgtcttccc cagcgctgat ggcagggtgct tcaggaaagg tgactgactt caacaacggc 60
acctacctgg tcagcttacac tctgttctgg gaggggccagg tctctctgtc tctgctgctc 120
atccacccca gtgaagggtgtcagcttc tggagtgcgg ggaaccaagg ctatgacagg 180
gtgatcttca ctggccagggttgtcaatggc acttcccaag tccactctga atgtggcctg 240
atcctaaaca caaatgctga attgtggccag tacctggaca acagagacca agaaggcttc 300
tactgtgtga ggcctcaaca catgccctgt gctgcactca ctcacatgtt ttctaagaac 360
aagaaagttt cttatcttag caaacaagaa aagagcctt ttgaaagggtc aaatgtgggt 420
gttagagatta tggaaaaatt caatacaatt agtgtctcca aatgcaacac actgaagtca 480
gtggatctgc atgaatctgg aaaattgcaa caccagctt ctgtggattt ggataggaac 540
atcaacatcc agtggcaaaa atattgttat cccttgcata gatcaatgac ctattcagtc 600
aaagagatgg agtacctcac cccggccatt gacagaactg gaggagaaaa aaatactgtc 660
attgttattt ccctggccca gcatttcaga cccttccca ttgatgtttt tatccgaagg 720
gccctcaatg tccacaaagc cattcagcat cttcttctga gaagcccaga cactatggtt 780
atcatcaaaa cagaaaacat cagggagatg tacaatgtc cagaaagatt tagtacttt 840

PC-0028 US

catggttaca ttcaatatct catcataaaag gacatTTCC aggatcttag tgtgagtatc 900
attgatgcct gggatataac aattgcatat ggcacaaata atgtacaccc acctcaacat 960
gtagtcggaa atcagattaa tatattatta aactatattt gttaa 1005

<210> 31
<211> 1545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: GNN.g9795680_006.edit

<400> 31
cttggtctg ctctaaactt atccatctct gtccattact ggaacaactc cgcaaagtcc 60
ttattcccta aaacatcaact gataccatta aagccactaa cagagactga actcagaata 120
aaggaaatca tagagaaaact agatcagcag atcccaccca gacctttcac ccatgtgaac 180
accaccacca gtgccacaca cagcacagcc accatcctca accctcgaga tacatactgc 240
aggggagacc agctggacat cctactggag gtgagggacc acttgggaca gaggaagcaa 300
tatggtgaaa attcctgag gcccaggatg tcctccccag cactgacggc aggtgcttca 360
ggaaaggtga tggacttcaa caatggcacc tacctggtca gcttcactct gttctggag 420
ggccaggtct ccctgtctct gctgctcatc cacccagtg aaggggcgtc ggctctctgg 480
aggcaggaa accaaggcta tgataaaatt atttcaaag gcaaatttgt taatggcacc 540
tctcatgtct tcactgaatg tggcctgacc ctaaactcaa atgctgaact ctgtgaatat 600
ctggatgaca gagaccaaga agccttctat tgtatgaagc ctcaacacat gccctgtgag 660
gctctgacct acatgaccac ccggaataga gaggtatctt atcttacaga caaggaaaac 720
agcctttcc acaggtccaa agtggagtt gaaatgatga aggatcgtaa acacattgt 780
gtcactaatt gtaacaagag agaaaaaaaata gaagagacat gccaagttgg aatgaagcct 840
cctgtccctg gtggttatac tttacaagga aaatggataa caacatttg caaccagg 900
cagttagaca caattaagat aaatggctgt ttgaaaggca aactcattta cctcctgg 960
gactctacac tacgtcagtg gatctactac ttccccaaag ttgtaaaaac actgaagtt 1020
tttgcatttc atgaaactgg aatcttaag aaacatttg ttctggatgc agaaagacac 1080
actcagattc aatggaaaaa acatagctat cccttcgtca cttccagct ctactctcg 1140
atagatcatg attatatccc tcggaaatt gaccggctat caggtgacaa aaacacagcc 1200
atcgcatca ccttggcca gcactttaga ccatttcca ttgacattt tattcgagg 1260
gccatcggtg ttcaaaaggc tattgaaaga ctgttctaa gaagcccagc cactaaagt 1320
attattaaga cagaaaacat cagggagatg cacatagaga cagagagg 1380
catggttata ttcaactatct tatcatgaag gatatttca aagacctcaa cgtggcattc 1440
attgatgcct gggacatgac cattgcatat ggcactgaca ctatccaccc acctgatcat 1500
gtgattggaa atcagattaa catgttctta aactacattt gctaa 1545

<210> 32
<211> 540
<212> PRT
<213> Oryctolagus cuniculus

<220>
<221> misc_feature
<223> Incyte ID No: g1762

<400> 32
Met Leu His Lys Tyr Leu Lys Leu Ile Cys Leu Leu Ala Ala Ile
1 5 10 15
Cys Val Leu Cys Ile Ile Ser Gln Asn Ser Thr Lys Ile Trp Gly
20 25 30
Ala Leu Lys Leu Pro Asn Ser His Tyr Tyr Ser Asn Thr Ser Met

	35	40	45
Ile Ser Ser Ile Pro Lys Met Ser Val Ser Pro Val Lys Ser Leu			
50	55	60	
Thr Glu Thr Glu Leu Arg Val Lys Glu Ile Leu Glu Lys Leu Asp			
65	70	75	
Arg Leu Ile Pro Pro Arg Pro Phe Thr His Val Asn Thr Thr			
80	85	90	
Ser Ala Thr His Ser Thr Ala Thr Ile Leu Asn Pro Gln Asp Lys			
95	100	105	
Tyr Cys Val Gly Asp Gln Leu Asp Ile Leu Leu Glu Val Arg Asp			
110	115	120	
Tyr Leu Gly His Gln Lys Glu Tyr Gly Gly Asp Phe Leu Arg Ala			
125	130	135	
Arg Met Phe Ser Pro Ala Leu Lys Ala Gly Ala Ser Gly Lys Val			
140	145	150	
Thr Asp Phe Asn Asn Gly Thr Tyr Leu Val Ser Phe Thr Leu Phe			
155	160	165	
Trp Glu Gly Gln Val Ser Leu Ser Val Leu Leu Ile His Pro Ser			
170	175	180	
Glu Gly Ala Ser Ala Leu Trp Arg Ala Arg Asn Gln Gly Tyr Asp			
185	190	195	
Arg Ile Ile Phe Lys Gly Gln Phe Val Asn Gly Thr Ser His Val			
200	205	210	
Phe Thr Glu Cys Ser Leu Thr Leu Asn Ser Asn Thr Glu Glu Cys			
215	220	225	
Lys Tyr Leu Asn Gly Arg Asp Gln Asp Val Phe Tyr Cys Met Lys			
230	235	240	
Pro Gln His Met Pro Cys Glu Ala Leu Thr His Val Thr Ser Arg			
245	250	255	
Asn Arg Asp Ile Ser Tyr Leu Thr Ser Lys Glu Lys Asn Leu Phe			
260	265	270	
His Arg Ser Lys Val Gly Val Glu Ile Met Lys Asn Gln His Ile			
275	280	285	
Asp Val Ser Gln Cys Asn Lys Ser Lys Glu Val Lys Glu Lys Cys			
290	295	300	
Gln Ile Gly Met Lys Ile Pro Val Pro Gly Gly Tyr Thr Leu Gln			
305	310	315	
Gly Arg Trp Leu Thr Thr Phe Cys Asn Gln Ile Gln Leu Asp Thr			
320	325	330	
Ala Lys Ile Ser Gly Cys Leu Lys Gly Lys Leu Ile Tyr Leu Met			
335	340	345	
Gly Asp Ser Thr Leu Arg Gln Trp Ile Tyr Tyr Leu Pro Lys Val			
350	355	360	
Met Lys Thr Leu Lys Phe Phe Asp Leu His Glu Thr Gly Asn Phe			
365	370	375	
Lys Lys His Leu Leu Leu Asp Ala Glu Lys His Thr Gln Ile Gln			
380	385	390	
Trp Lys Lys His Ser His Pro Phe Val Thr Tyr Gln Leu Phe Ser			
395	400	405	
Val Ile Asp His Gly Tyr Ile Pro Gln Glu Ile Asp Arg Leu Ile			
410	415	420	
Gly Asp Lys Asp Thr Val Ile Val Ile Thr Phe Gly Gln His Phe			
425	430	435	
Arg Pro Phe Pro Ile Asp Ile Phe Ile Arg Arg Ala Ile Ser Val			
440	445	450	
Arg Gln Ala Ile Glu Arg Leu Phe Leu Arg Ser Pro Ala Thr Lys			

PC-0028 US

455	460	465
Val Ile Val Lys Thr Glu Asn Ile Arg	Glu Met His Ile Glu Ala	
470	475	480
Glu Arg Phe Gly Asp Phe His Gly Tyr	Ile Gln Tyr Leu Thr Leu	
485	490	495
Lys Asp Ile Phe Lys Asp Leu Asn Val	Gly Val Val Asp Ala Trp	
500	505	510
Asp Met Thr Ile Ala Tyr Gly Thr Asn Asn Val His Pro Pro Asp		
515	520	525
Gln Val Ile Gly Asn Gln Ile Asn Met	Phe Leu Asn Tyr Ile Cys	
530	535	540